

**PATENT APPLICATION**  
**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of

Dinesh Kumar SOOD, et al.

Attorney Docket Q65032

Appln. No.: Not Assigned

Group Art Unit: Not Assigned

Confirmation No.: Not Assigned

Examiner: Not Assigned

Filed: June 19, 2001

For: BI-STABLE MICROSWITCH INCLUDING MAGNETIC LATCH

**PRELIMINARY AMENDMENT**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

Prior to examination, please amend the above-identified application as follows:

**IN THE SPECIFICATION:**

Page 1, after the title, insert the heading:

**Background of the Invention**

before the seventh paragraph beginning "With this in mind", insert the heading:

**Summary of the Invention**

Page 3, before the second full paragraph beginning with "The following", insert the heading:

**Brief Description of the Drawings**

before the last paragraph beginning with "Referring now" insert the heading:

**Detailed Description of the Invention**

**IN THE CLAIMS:**

**Please enter the following amended claims:**

4. (Amended)A bi-stable microswitch according to claim 2, wherein the second section of the armature is at least partially formed of invar.
5. (Amended)A bi-stable microswitch according to claim 1, and further including a first heating device formed on or proximate the armature.
6. (Amended)A bi-stable microswitch according to claim 5 and further including a second heating device formed on or proximate the magnetisable element.
7. (Amended)A bi-stable microswitch according to claim 6, wherein one or more of the first and second heating devices includes an electrical resistance element.
8. (Amended)A bi-stable microswitch according to claim 1, wherein heat is applied to at least one of the armature and the magnetisable element by means of electromagnetic radiation.
10. (Amended)A bi-stable microswitch according to claim 1, wherein the magnetisable element is at least partially formed from a NiCu alloy, the composition of the alloy being adjusted to set the first temperature.

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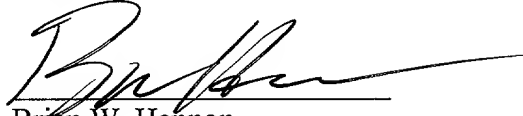
14. (Amended) A bi-stable microswitch according to claim 1, wherein the armature comprises a cantilever overhanging the pair of contacts.

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REMARKS

Entry and consideration of this Amendment is respectfully requested.

Respectfully submitted,



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**APPENDIX**

**VERSION WITH MARKINGS TO SHOW CHANGES MADE**

**IN THE SPECIFICATION:**

**The specification is changed as follows:**

Page 1, after the title, insert the heading:

**Background of the Invention**

before the seventh paragraph beginning "With this in mind", insert the heading:

**Summary of the Invention**

Page 3, before the second full paragraph beginning with "The following", insert the heading:

**Brief Description of the Drawings**

before the last paragraph beginning with "Referring now" insert the heading:

**Detailed Description of the Invention**

**IN THE CLAIMS:**

**The claims are amended as follows:**

4. (Amended) A bi-stable microswitch according to ~~either one of claims 2 or 3~~ claim 2, wherein the second section of the armature is at least partially formed of invar.

5. (Amended) A bi-stable microswitch according to ~~any one of the preceding claims~~ claim 1, and further including a first heating device formed on or proximate the armature.

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6. (Amended) A bi-stable microswitch according to ~~any one of the preceding~~  
~~claims~~claim 5 and further including a second heating device formed on or proximate the  
magnetisable element.

7. (Amended) A bi-stable microswitch according to ~~either one of claims 5 or 6~~claim  
6, wherein one or more of the first and second hearing devices includes an electrical resistance  
element.

8. (Amended) A bi-stable microswitch according to ~~any one of claims 1 to 14~~claim 1,  
wherein heat is applied to at least one of the armature and the magnetisable element by means of  
electromagnetic radiation.

10. (Amended) A bi-stable microswitch according to ~~any one of the preceding~~  
~~claims~~claim 1, wherein the magnetisable element is at least partially formed from a NiCu alloy,  
the composition of the alloy being adjusted to set the first temperature.

14. (Amended) A bi-stable microswitch according to ~~any one of the preceding~~  
~~claims~~claim 1, wherein the armature comprises a cantilever overhanging the pair of contacts.